

# Ridham Goyal

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## EDUCATION

**Dayananda Sagar Academy of Technology and Management**

*Bachelor of Engineering — SGPA: 7.9/10*

Bangalore, Karnataka

2022 – 2026

## TECHNICAL SKILLS

- **Languages:** C/C++, JavaScript, HTML/CSS, Java, Python
- **Frameworks:** React, Node.js, Express.js, Nest.js, Django
- **Developer Tools:** Git, Docker, Postman, VS Code, ThunderClient
- **Database Systems:** MongoDB, MySQL (via Sequelize ORM)
- **Performance Tools:** Redis (caching), RabbitMQ (asynchronous queues)

## PROFESSIONAL EXPERIENCE

**Software Development Intern**

*Akeo AS*

April 2025 – Present

*Jaipur, Rajasthan*

- Architected resilient backend infrastructure using Node.js, enhancing scalability, concurrency, and modularity.
- Deployed robust caching mechanisms with Redis and asynchronous processing pipelines via RabbitMQ, augmenting system throughput and latency tolerance.
- Synthesized Sequelize ORM with MySQL to enable normalized, high-performance transactional queries in production-grade microservices.

## PROJECTS

**Energence — *React.js, Django, TensorFlow, REST API, SQLite* (April 2025)**

GitHub

- Designed and deployed an AI-powered energy platform forecasting renewable output using deep learning (MLP models).
- Developed Django REST APIs for real-time energy prediction and optimization of solar/wind parameters.
- Implemented a responsive UI using React and Tailwind CSS for interactive analytics visualization.

**TaskNexus — *Node.js, Express.js, MongoDB, MySQL, Redis* (Feb–Apr 2025)**

GitHub

- Engineered a scalable backend system for wallet operations, email notifications, and transaction logging.
- Optimized performance using Redis caching and asynchronous task queues with RabbitMQ.
- Built fault-tolerant workflows with retry logic and background processing to ensure delivery reliability.

**Authora — *React.js, Node.js, Nest.js, MongoDB* (May 2025)**

GitHub

- Developed a secure e-commerce platform with role-based access control, 2FA, and encrypted sessions.
- Integrated Razorpay API for robust payment processing and order fulfillment.
- Structured backend services using Nest.js for maintainability and modular scalability.

## ACHIEVEMENTS

- **First Place – Algorave Hackathon (DSATM, CSAI Dept.):** Led the development of a high-performance algorithmic solution under strict time constraints, demonstrating advanced problem-solving skills and team collaboration.
- **First Place – Xenith Tech Fest (Web Development Hackathon):** Awarded top honors for creating “Energence,” an AI-powered sustainability platform noted for its innovation, functionality, and real-world impact.
- **Multiple Finalist Recognitions:** Secured top-three placements in intercollegiate coding and development challenges at Christ University, Ramaiah Institute, DSATM, and DSCE, highlighting strategic thinking, rapid execution, and collaborative delivery.